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Administrative Record for the U.S. Department of Energy Monticello Mill Tailings Site (MMTS), Operable Unit III (OU III), Monticello Ground Water Remedial Action Project (MSGRAP) Monticello, Utah

Alphabetical Index (by author)

Note: This Administrative Record contains documents <u>specifically relevant to Operable Unit III</u> leading up to the Record of Decision in October 2004. Later documents are located in the Information Repository. Complete copies of the records are located at the U.S. Department of Energy Office of Legacy Management, 2597 B 3/4 Road, Grand Junction, CO 81503, and at the Monticello Field Office, 1665 S. Main Street, Monticello, Utah. 84535.

Numbers in **bold type** identify the file folder number assigned to document within the Administrative Record. Unless otherwise noted all documents listed are located in this file. Correspondence (569) and Program Directives (576) are listed at the end of this index.

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CORRESPONDENCE

Acronyms used in the Correspondence File Index:

DOE - U.S. Department of Energy

EPA – U.S. Environmental Protection Agency

ERR - Division of Environmental Response and Remediation

UDEQ - Utah Department of Environmental Quality

USFWS - U.S. Fish and Wildlife Service

569a Between U.S. Department of Energy and U.S. Environmental Protection Agency and State of Utah

July 21, 1989 letter from Dee J. Williamson, DOE, to Lam Nguyen, EPA, and Robert McLeod, Bureau of Solid and Hazardous Waste, State of Utah.

Subject: The DOE position on the Resource Conservation and Recovery Act (RCRA) relevance and appropriateness to Monticello Remedial Action Project (MRAP) and the Monticello Vicinity Properties (MVP) mill tailings.

September 16, 1992 letter from Tracy B. Plessinger, DOE to Paul Mushovic, EPA, and Brent Everett, UDEQ.

April 2009 File Index: MRAP 1.11 page 9 of 14 Subject: Transmittal of the Final Surface- and Ground-Water Remedial Investigation/Feasibility Study Documents.

December 1, 1992 letter from Eldon R. Bray, DOE, to Paul Mushovic, EPA, and Brent Everett, UDEQ-ERR Subject: Transmittal of the Monticello Millsite Surface and Ground Water Analytical Data Summary.

April 1, 1996 letter w/ attachment from Mary Ann Rondinella, DOE, to Paul Mushovic, EPA, and David Bird, UDEQ-ERR.

Subject: Suspending Air Monitoring Activities and Decreasing Scope of OU III Annual Water Quality Monitoring.

May 13, 1996 letter w/attachment from Mary Ann Rondinella, DOE, to Paul Mushovic, EPA, and David Bird, UDEQ-ERR.

Subject: Operable Unit III Human Health Risk Assessment - Exposure Scenarios for Upper-Middle, Middle, and Lower Montezuma Creek.

January 7, 1997 letter from Mary Ann Rondinella, DOE, to Paul Mushovic, EPA, and David Bird, UDEQ-ERR.

Subject: Draft Minutes from the Monticello Operable Unit III Meetings

October 8, 1997 letter w/attachment from Donald R. Metzler, DOE, to Paul Mushovic, EPA and David Bird, UDEQ-ERR; contains comment responses / resolutions

Subject: Transmittal of Monticello Mill Tailings Site Operable Unit III Annual Monitoring Program

May 11, 1998 letter w/attachment from Vernon Cromwell, DOE to Paul Mushovic, EPA, and David Bird, UDEQ-ERR.

Subject: Permeable Reactive Treatment Wall at Monticello (includes 6 enclosures)

September 29, 1998 letter from Donald R. Metzler, DOE to Paul Mushovic, EPA, and David Bird, UDEQ.

Subject: Containment of Purge Water from Bedrock Monitoring Wells in Regard to the Monticello Mill Tailings Site Operable Unit III Annual Monitoring Program

November 5, 1998 letter from Vernon Cromwell, DOE to Paul Mushovic, and David Bird, UDEQ-ERR.

Subject: Monticello Permeable Reactive Treatment (PeRT) Wall 60 Percent Design, Site Characterization Report, and Response to 30 Percent Design Comments.

February 13, 2001 letter from Donald R. Metzler, DOE, to Paul Mushovic, EPA, and David Bird, UDEQ-ERR.

Subject: Addition of Appendix C to the MMTS OUIII Interim Remedial Action Surface Water and Ground Water Monitoring Plan, Revision 4.

April 12, 2002 letter w/attachment from Joel Berwick, DOE, to Paul Mushovic, EPA and David Bird, UDEQ-ERR.

Subject: Transmittal of a Position Paper on Selenium as a "Contaminant of Concern" for Operable Unit III.

569b Between U.S. Department of Energy and U.S. Fish and Wildlife Service

August 6, 1996 letter from Mary Ann Rondinella, Monticello DOE, to Robert D. Williams, USFWS, Utah Field Office. Subject: Southwestern Willow Flycatcher surveys performed under Sub-permit 96-07.

February 13, 1997 letter w/attachment from Mary Ann Rondinella, DOE, to Keith Rose and Ronette Reisenburg, USFWS.

Subject: Meeting Minutes from January 9, 1997, Meeting on Monticello Mill Tailings Site Operable Unit III

July 17, 1997 letter w/attachment from Donald R. Metzler, DOE, to Keith Rose, USFWS, Utah Field Office.

Subject: Southwestern Willow Flycatcher Survey Results, Monticello Mill Tailings Site, Operable Unit III

569c Between U.S. Department of Energy Contractor Personnel and State of Utah or Other Federal Agencies

January 23, 1997 meeting/telephone conference record, between Keith Rose, USFWS, and Marilyn Kastens, MACTEC-ERS. Subject: OU III Threatened or Endangered (T&E) Species

Subject. Of in Threatened of Endangered (Tell) species

February 10, 1997, meeting/telephone conference record between Bob Woyewodzic, Bureau of Land Management, San Juan Resource Area, and Marilyn Kastens, MACTEC-ERS.

Subject: Threatened and Endangered Species Information from BLM.

February 10, 1997, meeting/telephone conference record between Heather Musglow, U.S. Forest Service, Manti LaSal Forest, and Marilyn Kastens, MACTEC-ERS.

Subject: Mexican Spotted Owl Surveys

February 10, 1997, meeting/telephone conference record between Bill Bates, Utah Division of Wildlife Resources, and Marilyn Kastens, MACTEC-ERS.

Subject: State Sensitive Species (Spotted Bat)

February 11, 1997, meeting/telephone conference record between Dale Hoff, EPA, Region 8, and Jody Waugh, MACTEC-ERS Subject: Molybdenum TRVs and UCF for Spotted Bat

February 18, 1997, meeting/telephone conference record between Ben Morris, Utah Division of Wildlife Resources and Marilyn Kastens, MACTEC-ERS.

Subject: Threatened and Endangered Species Update with Ben Morris

February 24, 1997, meeting/telephone conference record between Leland Sasser, Natural Resources Conservation Service, Soil Survey Staff, and Marilyn Kastens, MACTEC-ERS.

Subject: Prime, Unique, and Important Farmland

February 27, 1997, meeting/telephone conference record between Frank Howe, Utah Division of Wildlife Resources, Non-game-Resources, and Marilyn Kastens, MACTEC-ERS.

Subject: Mexican Spotted Owl Locations and Southwestern Willow Flycatcher Habitat

February 27, 1997 meeting/telephone conference record between Linda Seibert, Bureau of Land Management, Moab Office, and Marilyn Kastens, MACTEC-ERS.

Subject: Mexican Spotted Owl Surveys by BLM.

569d Between U.S. Department of Energy and State of Utah

November 24, 1989 letter from Gerald L. Jackson, Southeastern Utah District Health Department, to Peter Mygatt, DOE. Subject: Comment on the proposed plan for management of the contaminated groundwater below and down gradient of the site, and of the contaminated surface drainage area of Montezuma Creek, which passes through the site.

March 5, 1990 letter from Kent P. Gray, Bureau of Solid & Hazardous Waste, State of Utah, to Dee J. Williamson, DOE Subject: Proposed ROD wording for Operable Unit III.

July 9, 1998 letter from Jack B. Tillman, DOE to Jerry Olds, State of Utah, Division of Water Rights. Subject: Request for Application of Institutional Controls, Monticello, Utah

August 5, 1998 letter from Donald R. Metzler, DOE GJO, to Jerry Olds, State of Utah Division of Water Rights Subject: Submittal of Additional Data for Application of Institutional Controls, Monticello, Utah.

569e Between U.S. Department of Energy and U.S. Environmental Protection Agency

June 11, 1997 letter from Paul Mushovic, EPA, to Donald R. Metzler, DOE.

Subject: Monticello Mill Tailings Site Operable Unit III Annual Monitoring Program.

September 30, 1998 letter from Terry Anderson, EPA, to Jack Tillman, DOE.

Subject: Record of Decision for Operable Unit III - Surface Water and Ground Water

569f Between the U.S. Department of Energy Offices

September 4, 1998 memorandum w/attachment from Vernon Cromwell, DOE to Jim Wade, DOE-Idaho Operations Office and Tom Evans, DOE-HQ.

Subject: Revised Construction Schedule for the ASTD Grand Junction Office Permeable Reactive Treatment Wall Project

569g Between U.S. Department of Energy Contractor Personnel and U.S. Department of Energy

October 8, 1992 letter from Harry Perry, Chem-Nuclear Geotech, Inc., to Eldon R. Bray, DOE.

Subject: Transmittal of Appendix A Revision - Monticello Mill Tailings Site Operable Unit III Surface and Groundwater Remedial Investigation/Feasibility Study Work Plan.

June 19, 1998 letter w/attachment from Michael C. Butherus, MACTEC-ERS, to Donald R. Metzler, DOE. Subject: Contract No. DE-AC13-96GJ87335 – Request for a Non-Time Critical Removal Action (Action Memorandum) for Operable Unit III in Monticello, Utah

March 29, 2001 letter w/attachment from Michael C. Butherus, MACTEC-ERS, to Joel D. Berwick, DOE. Subject: Monticello Operable Unit III Nitrate and Selenium White Paper

569h Between U.S. Department of Energy Contractor Personnel

March 12, 1993 memorandum from B. Merrill, RUST Geotech, to K. McClellen, Rust Geotech.

Subject: Summary of Hydraulic-Testing Results Obtained During Previous Investigations Conducted at the Monticello Millsite

April 2, 1993 memorandum w/attachment from B. Merrill, RUST Geotech, to K. McClellen, Rust Geotech. Subject: Re-analysis of 1988 Pumping-Test Data

569i Other Correspondence

July 31, 1989 letter from Dee J. Williamson, DOE, to Steve Peacock, U.S. Army Corps of Engineers.

Subject: Monticello Remedial Action Project, wetlands determination for Montezuma Creek and adjacent area, San Juan County, near Monticello, Utah.

November 13, 1997 internal memorandum from Gerry M. Henningsen EPA, Region 8 ETAG to Paul Mushovic, EPA. Subject: Results and Interpretation of Exposures to Radionuclides and Other Metals in Tissues of Deer and Beef from Montezuma Creek, UT; Monticello OU3 Site.

July 19, 2000 memorandum from Dale Hoff, EPA Regional Ecotoxicologist to Paul Mushovic, EPA. Subject: Review of Baseline Ecological Risk Assessment for OU III Soil and Sediment Area

PROGRAM DIRECTIVES

These documents are filed chronologically by directive number.

576 Program Directives

Directive No. MSGRAP-93-01, dated October 1, 1993, from Kristen McClellen, MSGRAP Tech. Project Manager. Subject: Revised surface- and ground-water sampling schedule, sampling locations, analyte list and clarification of sample custody procedures for MSGRAP FY 1994 sampling schedule to begin October 25, 1993.

Directive No. MSGRAP-94-01, dated April 25, 1994, from Deborah L. Richardson, MSGRAP Project Manager. Subject: Revised surface- and ground-water sampling schedule, sampling locations, analyte list and clarification of sample custody procedures for the second and final sampling event for MSGRAP FY 1994, scheduled to begin April 25, 1994.

Directive No. MSGRAP-94-02, dated October 1, 1994, from Deborah L. Richardson, MSGRAP Project Manager Subject: (1) Additional groundwater sampling location; (2) additional surface water sampling locations; (3) additional surface water and groundwater sampling tasks; (4) sample custody tracking form; and, (5) summary of other revisions pertaining to FY 1995 groundwater and surface water sampling/monitoring activities.

Directive No. MSGRAP-94-03, dated November 10, 1994, from Richard N. Morris, Senior Staff Engineer. Subject: Change in sample location SS94-004.

Directive No. MSGRAP-95-01, dated April 10, 1995, from William G. Merrill, MSGRAP OU III Project Coordinator. Subject: Revised surface water discharge monitoring locations and procedures. Revised surface water sampling locations for the April 1995 sampling event. Revision of surface water sample parameter list.

Directive No. MSGRAP-95-02, dated May 23, 1995, from Wanda Busby, Program Manager. Subject: Change in sampling and analytical procedures for cliff swallow sampling to support of [sic] the Operable Unit III ecological risk assessment.

Directive No. MSGRAP-95-03, dated July 10, 1995, from Wanda Busby, Program Manager.

Subject: Changes in sampling and analytical procedures for biotic and abiotic sampling in support of the Operable Unit III ecological risk assessment.

Directive No. MSGRAP-95-04, dated August 16, 1995, from Wanda Busby, Project Manager. Subject: Changes in the strategies and procedures for collection of sediment samples from ponds.

Directive No. MSGRAP-95-05, dated October 23, 1995, from Tim Bartlett. Subject: Revisions to pond sediment sampling and gamma-logging tasks.

Directive No. MSGRAP-96-01, dated July 1, 1996, from Alix Craig.

Subject: Revision to terrestrial invertebrate sampling task.

Directive No. MSGRAP-96-02, dated July 10, 1996, from Alix Craig. Subject: Additional revision to terrestrial invertebrate sampling task.

Directive No. MSGRAP-96-03, dated October 16, 1996, from Kristen McClellen, MSGRAP OU III Project Manager. Subject: Revised groundwater and surface-water monitoring locations. Revision of analyte list, analytical methods, and method detection limits.

Directive No. MSGRAP-97-01, effective date October 13, 1997, from Kristen McClellen, MSGRAP OU III Project Manager; Subject: Surface water sampling at 5 new locations and survey of stream elevation and discharge at 7 new locations.

Directive No. MSGRAP-99-01, effective date July 19, 1999, from Kristen McClellen, MSGRAP OU III Project Manager. Subject: (1) Changes to ground water sample and water level measurement locations. (2) Temporary changes to surface water location W-4 for the collection of unfiltered samples for metals and radionuclide analyses.

Directive No. MSGRAP-99-02, effective date September 13, 1999, from Tim Bartlett, Field Supervisor, Subject: Changes to calibration frequencies at PeRT Wall well locations, clarification of turbidity monitoring for stabilization criteria, and extension of Program Directive MSG-99-01.

Directive No. MSG-00-01, effective date February 28, 2000, from Tim Bartlett, Field Supervisor, Subject: Collection of samples and field measurements from specified PeRT well locations.

Directive No. MSG-00-02, effective date April 10, 2000, from Tim Bartlett, Field Supervisor,

Subject: Modify PeRT Wall water sample and measurement locations, increase the number of analytes at selected sample locations, and direct the collection of additional sample volume, for microbial study, at 4 locations. Additionally the directive modifies the requirements for logbook documentation.

Directive No. MSG-00-03 effective date April 10, 2000, from Tim Bartlett, Field Supervisor, Subject: Modifications to the OU III / PeRT April 2000 water sampling event.

Directive No. MSG-00-04 effective date July 17, 2000, from Tim Bartlett, Field Supervisor, Subject: Modifications to the OU III /PeRT July 2000 water sampling event.

Directive No. MSG-00-05 effective date October 16, 2000, from Tim Bartlett, Field Supervisor, Subject: Modifications to the OU III and PeRT October 2000 water sampling event.

Directive No. MSG-01-01, effective date January 16, 2001, from Tim Bartlett, Field Supervisor Subject: Collection of Soil Samples from Wetland #1, #2, and #3 at the former Millsite.

Directive No. MSG-01-02, effective March 15, 2001, from Kristen McClellen, MSGRAP Project Manager.

Subject: Deletion of work scope to perform a tracer test at the PeRT-Slurry walls, abandonment of temporary wells along the PeRT-Slurry walls, and addition of wells at the southern and northern ends of the slurry walls to monitor quality of water that is not being funneled to the gate.

Directive No. MSG-01-03, effective April 9, 2001, from Tim Bartlett, MSGRAP Field Supervisor. Subject: Modification to the OU III/PeRT April 2001 water sampling event.

Directive No. MSG-01-04, effective June 1, 2001, from Tim Bartlett, MSGRAP Hydrogeologist.

Subject: Locations for soil borings and temporary well installations on the millsite.

Directive No. MSG-01-05, effective July 9, 2001, from Tim Bartlett, MSGRAP Hydrogeologist.

Subject: Modifications to the OU III/PeRT July 2001 and FY02 sampling events.

Directive No. MSG-01-06, effective October 8, 2001, from Kristen McClellen, MSGRAP Project Manager.

Subject: New millsite well installations and modifications to the sample and measurement locations and field and analytical parameters for the OUIII October 2001 sampling event.

Directive No. MSG-01-07, effective November 19, 2001, from Kristen McClellen, MSGRAP Project Manager.

Subject: A one time sampling event to sample seeps in the vicinity of the millsite.

Directive No. MSG-01-08, effective November 19, 2001, from Kristen McClellen, MSGRAP Project Manager.

Subject: Conduct a pumping test to determine hydraulic characteristics of PRB (Permeable Reactive Barrier).

Directive No. MSG-02-01, effective January 21, 2002, from Kristen McClellen, MSGRAP Project Manager.

Subject: Modifications to the sample and measurement locations and field and analytical parameters for the OU III calendar year (CY) 2002 sampling events.

Directive No. MSG-02-02, effective February 1, 2002, from Stan Morrison, Task Lead.

Subject: Sampling and analysis of zero-valent iron (ZVI) in the Monticello OU III permeable reactive barrier (PRB) to obtain information on its performance.

Directive No. MSG-02-03, effective September 30, 2002, from Kristen McClellen, MSGRAP Project Manager.

Subject: Revised ground water and surface water monitoring locations, surface water analyte list, and water level measurements for wells that have been purged dry.

Directive No. MSG-03-01, effective January 6, 2003, from Farlie Pearl, QA Specialist.

Subject: Modifications to the OU III January 2003 water sampling event and locations.

Directive No. MSG-03-02, effective March 31, 2003, from Farlie Pearl, Program Integration QA.

Subject: Calendar Year 2003 schedule for sample and measurement locations, analyte lists, field parameters, and protocols for sampling wells with poor recovery that have been purged dry.

Directive No. MSG-03-03, effective October 1, 2003, from Farlie Pearl, Program Integration QA.

Subject: Fiscal year (FY) 2004 schedule for sample and measurement locations, analyte lists, field parameters, and protocols for sampling wells with poor recovery that have been purged dry.

576a Program Directive Correspondence

Rust Geotech Inc. 1995. Responses to EPA and UDEQ Concerns Regarding OU III Work Performed Under Directive MSGRAP 95-04.

April 28, 2000 memorandum from K.L. McClellen, Monticello OU III Surface and Ground Water Project Manager Subject: Program Directives MSG-99-01 and MSG-99-02 are discontinued.

March 20, 2001 letter from Donald R. Metzler, U.S. Department of Energy, to Paul Mushovic, U.S. Environmental Protection Agency and David Bird, State of Utah Department of Environmental Quality, Division of Environmental Response and Remediation.

Subject: Monticello PeRT Wall Activities, MSG Program Directive MSG-01-02.

February 14, 2002 memorandum from K.L. McClellen, Monticello OU III Surface and Ground Water Project Manager Subject: Extension of Program Directives MSG-01-07 to April 30, 2002.